

AMENDMENTS TO THE CLAIMS

1. (Previously presented) Layered porous titanium oxide comprising an inorganic oxide as a core and titanium oxide deposited on the surface of the inorganic oxide wherein the titanium localization index (B/A) represented by the ratio of the proportion of titanium (Ti) to the sum of the constituent metal (M) of the inorganic oxide and titanium (Ti) determined by X-ray photoelectron spectroscopy (XPS) [$B = \text{Ti XPS} / (\text{Ti XPS} + \text{M XPS})$] to the bulk mixing molar ratio of titanium (Ti) to the sum of the constituent metal (M) of the inorganic oxide and titanium (Ti) [$A = \text{Ti} / (\text{Ti} + \text{M})$] is 1.6 or more, the repeat distance between the crystal lattice planes of titanium oxide on the surface of the inorganic oxide is 50Å or less, and the titanium oxide is deposited on the surface of the inorganic oxide so as to be chemically and/or microscopically united to the inorganic oxide.
2. (Original) Layered porous titanium oxide as described in claim 1 wherein the amount of deposited titanium oxide is 13-60 mass%.
3. (Canceled)
4. (Currently amended) Layered porous titanium oxide as described in ~~any one of claims 1 to 3~~ claim 1 wherein the pore sharpness degree is 50% or more.
5. (Currently amended) Layered porous titanium oxide as described in ~~any one of claims 1 to 4~~ claim 1 wherein the pore volume is 0.3 mL/g or more.
6. (Currently amended) Layered porous titanium oxide as described in ~~any one of claims 1 to 5~~ claim 1 wherein the specific surface area is 100 m²/g or more.
7. (Currently amended) Layered porous titanium oxide as described in ~~any one of claims 1 to 6~~ claim 1 wherein the inorganic oxide is a hydrosol, a hydrogel,

a xerogel, a hydroxide, or a hydrated oxide and the titanium oxide is deposited on this organic oxide.

8. (Currently amended) Layered porous titanium oxide as described in ~~any one of claims 1 to 7~~ claim 1 wherein the inorganic oxide is synthesized by the pH swing operation.

9. (Currently amended) Layered porous titanium oxide as described in ~~any one of claims 1 to 8~~ claim 1 wherein the inorganic oxide is at least one selected from the group of alumina, silica, magnesia, silica/alumina, silica/titania, alumina/zirconia, silica/zirconia, and silica/magnesia.

10. (Currently amended) Layered porous titanium oxide as described in ~~any one of claims 1 to 9~~ claim 1 wherein the inorganic oxide is needle-shaped or column-shaped.

11. (Currently amended) Layered porous titanium oxide as described in ~~any one of claims 1 to 10~~ claim 1 wherein layered porous titanium oxide is obtained in the depositing step which comprises supplying a raw material titanium solution and a pH adjusting agent in the presence of an inorganic oxide and depositing titanium oxide on the surface of the inorganic oxide in the pH range between the isoelectric point of titanium oxide and that of the inorganic oxide.

12. (Original) Layered porous titanium oxide as described in claim 11 wherein the layered porous titanium oxide is obtained by the calcining treatment performed in the temperature range of 90-900 °C after the depositing step.

13. (Original) A process for producing layered porous titanium oxide comprising an inorganic oxide as a core and titanium oxide deposited on the surface of the inorganic oxide which comprises.